IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Gopal Thinakaran

Serial No.: 10/051,767

Filed: January 17, 2002

For: FUNCTIONAL SCREENING

Group Art Unit: 1645

Examiner: Unknown

Atty. Dkt. No.: ARCD:364US/MBW

CERTIFICATE OF MAILING 37 C.F.R 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date

below:

April 15, 2002

Date

Priya D. Subramony

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

25154879.1

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit Account No.: 50-1212/10200382/MBW.

Applicant respectfully requests that the listed documents be made of record in the present

case.



FULBRIGHT & JAWORSKI L.L.P. 600 Congress Avenue, Suite 2400 Austin, Texas 78701 (512) 474-5201

Date:

April 15, 2002

Respectfully submitted,

Priya D. Subramony Reg. No. 50,939

Agent for Applicant

Form F									Ç₽a	
	'TO-144	9 (modified)		Atty. Docket N ARCD:364US			Serial 10/051	No.	CENTER	APR
List of F	etents an	d Publications for	Applicant's	Applicant	/ IVID VV		10/031	,,,,,,,		2
List of Patents and Publications for Applicant's				Gopal Thinakaran				± 50 €		
Inf	ORMATIO	N DISCLOSURE S	TATEMENT						1600/2900	2002
	(Llon o	overal shoots if pagessa	m1)	Filing Date:			Gr up):	/29(2
777		everal sheets if necessa		January 17, 20			1645	Alam A		
E.	.s. Patent See P	Documents age 1	_	Patent Document See Page 1	s			ther Ai ee Page		
(2)			L							
* 200°			U.S. Pat	ent Docume	ents					
Exam.	Ref.	Document	Date	Name	Clas	s S	Sub	Fili	ng Da	ate c
Init.	Des.	Number				С	lass		App).
		F	oreign P	atent Docur	nents	6				
Exam. Init.	Ref. Des.	Document Number	Date	Country	Clas		iub iass		ansla Yes/I	
			Ì							
(Other A	Art (Includir	na Author	r. Title. Date	Perf	inen	t Pac	ges.	Etc.	.)
Exam.	Ref.		9	Citatio				<u> </u>		<u>, </u>
Init.	Des.									
C1 Borchelt, et al., "Familial Alzheimer's disease-linked presenilin 1 variants elevate 40 ratio in vitro and in vivo," Neuron, 17:1005-1013, 1996.					Abeta	a1-42				
	C2	Doan, et al., "Pro	tein topology o	f presenilin 1," Nev	uron, 17	:1023-1	030, 19	96.		
	C3 Naruse, et al., "Effects of PS1 deficiency on membrane protein trafficking in neurons, 21:1213-1221, 1998.					ons."	Neur			
				eficiency on memb	rane pro	tein traf	Ticking	, in neur		
	C3	21:1213-1221, 19 Ratovitski, <i>et al.</i> ,	98. "Endoproteoly	tic processing and s24536-24541, 1997	stabiliza					t
		21:1213-1221, 19 Ratovitski, et al., presenilin," J. Bio	"Endoproteoly ol. Chem., 272::dence that intra	tic processing and 24536-24541, 1997	stabiliza	tion of v	wild-tyj esenilir	pe and r	nutan ns are	
	C4	21:1213-1221, 19 Ratovitski, et al., presenilin," J. Bio Saura et al., "Evi obligatory for end Saura et al., "The	"Endoproteoly ol. Chem., 272::dence that intra doproteolytic pronoconserved	tic processing and 24536-24541, 1997	stabiliza ions bettogical Ci omain o	ween prohem., 27	wild-typesenilir /4:1381	pe and r domain 8-13823	nutan ns are 3, 199	9. red f
	C4	21:1213-1221, 19 Ratovitski, et al., presenilin," J. Bio Saura et al., "Evi obligatory for end Saura et al., "The PS endoproteolys	"Endoproteoly ol. Chem., 272::dence that intra doproteolytic pronoconserved is or enhanced	tic processing and 24536-24541, 1997 molecular associate rocessing," <i>J. Biolo</i> hydrophilic loop d	stabiliza ions bettogical Ci omain o	ween problem., 27	wild-typesenilin 74:1381 11iin (PS	pe and r n domain 8-13823 S) is not rly onse	nutan ns are 3, 199	9. red f
	C4	21:1213-1221, 19 Ratovitski, et al., presenilin," J. Bio Saura et al., "Evi obligatory for end Saura et al., "The PS endoproteolys disease-linked PS	"Endoproteoly ol. Chem., 272::dence that intra doproteolytic pronoconserved is or enhanced variants," J. Bridence for pho	tic processing and 24536-24541, 1997 molecular associate rocessing," <i>J. Biolo</i> hydrophilic loop de Aβ42 production in tological Chemistry sphorylation and o	stabiliza ions bettogical Ci omain o mediated y, 275:1	ween prohem., 27 f present by fam 7136-17	esenilin 4:1381 iilin (PS iilial ear	pe and r n domain 8-13823 S) is not rly onse	nutan ns are 3, 199 requi	9. red for
	C4 C5 C6	21:1213-1221, 19 Ratovitski, et al., presenilin," J. Bio Saura et al., "Evi obligatory for end Saura et al., "The PS endoproteolys disease-linked PS Seeger, et al., "Ev Natl. Acad. Sci. U	"Endoproteoly of. Chem., 272:: dence that intra doproteolytic proportion of the properties or enhanced variants," J. Bridence for phouse of the properties o	tic processing and 24536-24541, 1997 molecular associate rocessing," <i>J. Biolo</i> hydrophilic loop de Aβ42 production in tological Chemistry sphorylation and o	stabiliza ions bettogical Ci omain o mediated y, 275:1 ligomeri	ween prohem., 27 f present by fam 7136-17	wild-typessenilin 4:1381 wilin (PS wilial ear 7142, 20 wily of p	pe and r n domain 8-13823 S) is not rly onse 000. presenil	ns are 3, 199 requiet Alzh	red for neime
	C4 C5 C6 C7	21:1213-1221, 19 Ratovitski, et al., presenilin," J. Bio Saura et al., "Evi obligatory for end Saura et al., "The PS endoproteolys disease-linked PS Seeger, et al., "Ex Natl. Acad. Sci. USisodia, et al., "F	"Endoproteoly ol. Chem., 272:: dence that intra doproteolytic pronoconserved is or enhanced variants," J. By vidence for pho JSA, 94:5090-5 unction and Dy	tic processing and a 24536-24541, 1997 molecular associate rocessing," <i>J. Biolo</i> hydrophilic loop de Aβ42 production in <i>iological Chemistry</i> sphorylation and o 094, 1997.	stabiliza ions bettogical Ci omain o mediated y, 275:1 ligomeri	ween prohem., 27 f present by fam 7136-17 ic assem	wild-typessenilir 4:1381 iilin (PS iilial ear 7142, 20 iibly of p	pe and r n domain 8-13823 S) is not rly onse 000. presenil	ns are 3, 199 requiet Alzh lin 1,"	Proce
	C4 C5 C6 C7 C8	Ratovitski, et al., presenilin," J. Bio Saura et al., "Evi obligatory for end Saura et al., "The PS endoproteolys disease-linked PS Seeger, et al., "Evi Natl. Acad. Sci. USisodia, et al., "F Thinakaran, "The 1999.	"Endoproteoly ol. Chem., 272::dence that intra doproteolytic prononconserved is or enhanced variants," J. By idence for pho JSA, 94:5090-5 unction and Dy role of present	tic processing and a 24536-24541, 1997 molecular associate rocessing," <i>J. Biolo</i> hydrophilic loop de Aβ42 production in <i>iological Chemistry</i> sphorylation and of 094, 1997.	stabiliza ions bette gical Ci omain o mediated y, 275:1 ligomerical disease	ween problem., 27 f present by fam 7136-17 ic assem	wild-typessenilin (4:1381 iilin (PS iilial ear /142, 20 iilial yof per /142, 2	pe and r n domain 8-1382. S) is not rly onse 000. presenil Genet, 6 , 104:13	ns are 3, 199 2 requi 2 requi 3 requi 5 requi 5 requi 3 requi	Proc. 2, 199
25141629.	C4 C5 C6 C7 C8 C9 C10	Ratovitski, et al., presenilin," J. Bio Saura et al., "Evi obligatory for end Saura et al., "The PS endoproteolys disease-linked PS Seeger, et al., "Evi Natl. Acad. Sci. USisodia, et al., "F Thinakaran, "The 1999.	"Endoproteoly ol. Chem., 272::dence that intra doproteolytic prononconserved is or enhanced variants," J. By idence for pho JSA, 94:5090-5 unction and Dy role of present	tic processing and section 24536-24541, 1997 molecular associate rocessing," <i>J. Biolo</i> hydrophilic loop de Aβ42 production in <i>iological Chemistry</i> sphorylation and of 1994, 1997. The section of the Prolins in Alzheimer's	stabiliza ions bette gical Ci omain o mediated y, 275:1 ligomerical disease	ween problem., 27 f present by fam 7136-17 ic assem	wild-typessenilin (4:1381 iilin (PS iilial ear /142, 20 iilial yof per /142, 2	pe and r n domain 8-1382. S) is not rly onse 000. presenil Genet, 6 , 104:13	ns are 3, 199 2 requi 2 requi 3 requi 5 requi 5 requi 3 requi	Proc. 2, 199

CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

., Form P	TO-1449 (modified)		Atty. Docket No. ARCD:364US/MBW	Serial No. 10/051,767	
010	ntents and Publications for Publications for Publication Disclosure S		Applicant Gopal Thinakaran		
1 9 2000 8	(Use several sheets if necess	sary)	Filing Date: January 17, 2002	Group: 1645	
EMARK OFFICE	. Patent Documents See Page 1	Foreign Patent Documents See Page 1		Other Art See Page 1	

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Ref. Init. Des.		Citation
-	C11	Thinakaran, et al., "Endoproteolysis of presentilin 1 and accumulation of processed derivatives in vivo," Neuron, 17:181-190, 1996.
	C12	Thinakaran, et al., "Evidence that levels of presentilins (PS1 and PS2) are coordinately regulated by competition for limiting cellular factors," J. Biol. Chem., 272:28415-28422, 1997.
	C13	Thinakaran, et al., "Metabolism of the "Swedish" amyloid precursor protein variant in neuro2a (N2a) cells. Evidence that cleavage at the "beta-secretase" site occurs in the golgi apparatus," J. Biol. Chem., 271:9390-9397, 1996.
	C14	Thinakaran, et al., "Stable association of presenilin derivatives and absence of presenilin interactions with APP," Neurobiol. Dis., 4:438-453, 1998.
	C15	Tomita, et al., "C terminus of presenilin is required for overproduction of amyloidogenic Ab42 through stabilization and endoproteolysis of presenilin," J. Neurosci., 19:10627-10634, 1999.

25141629.1

Examiner:	DATE CONSIDERED:
EVALUATED	A CONTROL OF THE CONT

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.